What is claimed is:

## 1. A compound of formula (1) or formula (2)

$$R'$$
 $R'$ 
 $R_1$ 
 $R_2$ 
 $R'$ 
 $R_1$ 
 $R_1$ 
 $R_2$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_2$ 
 $R_3$ 
 $R_4$ 
 $R_4$ 
 $R_5$ 
 $R$ 

wherein:

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X and Y independently are N or CH wherein at least one of X and Y is N; Ar is:

phenyl optionally substituted with one or more substituents selected from the group consisting of: halogen, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>1</sub>-C<sub>4</sub>)alkoxy, thio(C<sub>1</sub>-C<sub>4</sub>)alkyl, NO<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>)alkyl and N((C<sub>1</sub>-C<sub>4</sub>)alkyl)<sub>2</sub> wherein said alkyl may optionally form a 4 to 6 membered ring together with the heteroatom to which it is attached and an ortho carbon of the phenyl wherein said 4 to 6 membered ring may contain a second hetero atom selected from the group consisting of O, S and N, or

5 or 6 membered aromatic heterocycle containing one or two hetero atoms selected from the group consisting of O, N and S, and optionally substituted with one or more halogen, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>1</sub>-C<sub>4</sub>)alkoxy, thio(C<sub>1</sub>-C<sub>4</sub>)alkyl, NH(C<sub>1</sub>-C<sub>4</sub>)alkyl, N((C<sub>1</sub>-C<sub>4</sub>)alkyl)<sub>2</sub> wherein said alkyl may optionally form a 4 to 6 membered ring together with the heteroatom to which it is attached and an ortho carbon of said heterocycle wherein said 4 to 6 membered ring may optionally contain a second hetero atom selected from the group consisting of O, S and N,

Z is H, 4-aminophenyl,  $SO_2R_3$  or  $COR_3$  wherein  $R_3$  is  $(C_1-C_4)$ alkyl,  $(C_3-C_6)$ cycloalkyl, Ar as defined above,  $(C_2-C_6)$ alkenyl or  $(C_2-C_6)$ alkynyl;

 $R_1$  is H,  $(C_1\text{-}C_4)$ alkyl,  $(C_3\text{-}C_6)$ cycloalkyl or Ar as defined above;

R' is H or  $(C_1-C_4)$ alkyl; and

when Z is H, R<sub>2</sub> is a selected from the group consisting of:

cyano,

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- C(O)-ORa<sub>1</sub> wherein Ra<sub>1</sub> is methyl, ethyl or isopropyl,
- C(O)-NHRa<sub>2</sub> wherein Ra<sub>2</sub> is cyclopropyl,
- C(O)-N(Ra<sub>2</sub>'), wherein N(Ra<sub>2</sub>') is aziridinyl or azetidinyl, optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,
- C(O)-N(Ra<sub>3</sub>)-ORa<sub>3</sub> wherein each Ra<sub>3</sub> may be identical or different and each Ra<sub>3</sub> is independently selected from the group consisting of methyl, ethyl or cyclopropyl,
- C(O)Ra<sub>4</sub> wherein Ra<sub>4</sub> is Ar as defined above or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,

## C(Ra<sub>4</sub>)=N-Rb wherein:

Ra<sub>4</sub> is H, Ar as defined above, or  $(C_3-C_5)$  cycloalkyl optionally substituted with  $(C_1-C_4)$  alkyl or Ar as defined above, and Rb is  $(C_1-C_2)$  alkyl,  $(C_3-C_5)$  cycloalkyl, hydroxyl,  $(C_1-C_4)$  alkoxy,  $(C_2-C_4)$  alkenyloxy, or  $(C_1-C_4)$  alkylenoxy wherein said  $(C_1-C_4)$  alkylenoxy optionally may be substituted with halogen or a group selected from the group consisting of carboxyl,  $(CH_2)_n$  Ar wherein n is 0 or 1 and Ar is as defined above,  $(C_1-C_4)$  alkoxy,  $NH_2$ ,  $NH(C_1-C_4)$  alkyl, and  $N((C_1-C_4)$  alkyl)<sub>2</sub> wherein said alkyls together with the heteroatom to which they are attached may optionally form a 3 to 6 membered ring which may optionally contain a second hetero atom selected from the group consisting of O, S and N,

- NH-C(O)Ra<sub>4</sub> wherein Ra<sub>4</sub> is H, Ar as defined above, or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,
- NHRa<sub>4</sub> wherein Ra<sub>4</sub> is H, Ar as defined above, or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,

phenyl, and

- 5 to 6 membered aromatic heterocycle containing 1 to 3 hetero atoms selected from the group consisting of O, N and S; and
- when Z is  $SO_2R_3$  or  $COR_3$ ,  $R_2$  is carboxyl,  $NH_2$ ,  $NH(C_1-C_4)$ alkyl,  $N((C_1-C_4)$ alkyl)<sub>2</sub> or  $(C_3-C_5)$ cycloalkylamino; or
  - a stereoisomeric form of the compound of formula (1) or formula (2), or mixtures of the stereoisomeric forms thereof in any ratio; or

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a pharmacetically acceptable salt of the compound of formula (1) or formula (2).

- 2. The compound according to claim 1 wherein Ar is phenyl, 4-fluorophenyl or 4-methoxyphenyl.
- 3. The compound according to claim 2 wherein  $R_1$  is H,  $(C_1-C_4)$ alkyl, phenyl or substituted phenyl.
- 4. The compound according to claim 3 wherein X and Y is each N and Z is 10 H.
  - 5. The compound according to claim 4 wherein  $R_2$  is C(O)-ORa<sub>1</sub> and wherein  $Ra_1$  is  $(C_1$ -C<sub>4</sub>)alkyl.
- 15 6. The compound according to claim 5 selected from the group consisting of:

ethyl 6,6-diphenyl-6,7-dihydro-2H-indazole-3-carboxylate, isopropyl 6,6-diphenyl-6,7-dihydro-2H-indazole-3-carboxylate, methyl 6,6-diphenyl-6,7-dihydro-2H-indazole-3-carboxylate, ethyl 6-(R,S)-6-methyl-6-phenyl-6,7-dihydro-1H-indazole-3-carboxylate,

ethyl 6-(+)-6-methyl-6-phenyl-6,7-dihydro-1H-indazole-3-carboxylate, ethyl 6-(R,S)-6-phenyl-6,7-dihydro-2H-indazole-3-carboxylate,

ethyl 6-(R)-6-phenyl-6,7-dihydro-2H-indazole-3-carboxylate,

ethyl 6-(S)-6-phenyl-6,7-dihydro-2H-indazole-3-carboxylate,

ethyl 6,6-bis(4-methoxyphenyl)-6,7-dihydro-1H-indazole-3-carboxylate,

ethyl 6-(R,S)-6-(3,4-dimethoxyphenyl)-6-phenyl-6,7-dihydro-1H-

indazole-3-carboxylate,

ethyl 6-(R,S)-6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-indazole-3-carboxylate,

ethyl (-)-6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-indazole-3-carboxylate,

ethyl (+)-6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-indazole-3-carboxylate,

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ethyl 6,6-bis(4-fluorophenyl)-6,7-dihydro-1H-indazole-3-carboxylate, and ethyl 7-methyl-6,6-diphenyl-6,7-dihydro-1H-indazole-3-carboxylate.

- 7. The compound according to claim 4 wherein R<sub>2</sub> is CORa<sub>4</sub> and Ra<sub>4</sub> is Ar or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl.
- 8. The compound according to claim 7 selected from the group consisting of:

cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone, cyclobutyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone, (6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)phenylmethanone, (6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)-(1H-pyrrol-3-yl)methanone, 6-(R,S)-cyclopropyl[6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-indazol-3-yl]methanone,

- (-)-cyclopropyl[6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-indazol-3-yl]methanone,
- (+)-cyclopropyl[6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-indazol-3-yl]methanone, and cyclopropyl[6,6-bis(4-fluorophenyl)-6,7-dihydro-1H-indazol-3-yl]methanone.
- 9. The compound according to claim 4 wherein R<sub>2</sub> is C(O)-NHRa<sub>2</sub>, C(O)-N(Ra<sub>3</sub>)-ORa<sub>3</sub> or C(O)-N(Ra<sub>2</sub>').
- 10. The compound according to claim 9 selected from the group consisting of:

N-(cyclopropyl)-6,6-diphenyl-6,7-dihydro-1H-indazole-3-carboxamide, azetidin-1-yl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone, (N-methoxy-N-methyl)-6,6-diphenyl-6,7-dihydro-1H-indazole-3-carboxamide, and aziridin-1-yl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone.

| 11. | The compound according | to claim 4     | wherein Ra | is C(Ra <sub>4</sub> )-N-Rh |
|-----|------------------------|----------------|------------|-----------------------------|
|     | The compound according | 4 to ciaiiii 4 |            | 13 U(11a4)-11-11b.          |

|    | of: | 12. | The compound according to claim 11 selected from the grou                     | p consist | ting |
|----|-----|-----|---|-----------|------|
| 5  |     |     | (E,Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl) oxime,             | methand   | one  |
|    |     |     | (E)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl) oxime,               | methano   | one  |
| 10 |     |     | (Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl) oxime,               | methand   | one  |
|    |     |     | (E,Z)cyclobutyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)me oxime,            | thanone   |      |
|    |     |     | (E)cyclobutyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methoxime,             | anone     |      |
| 15 |     |     | (Z)cyclobutyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methatoxime,           | anone     |      |
|    |     |     | (E,Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-2H-indazol-3-yl)m<br>O-methyloxime, | ethanone  | €    |
| 20 |     |     | (E)cyclopropyl(6,6-diphenyl-6,7-dihydro-2H-indazol-3-yl)met O-methyloxime,    | hanone    |      |
|    |     |     | (Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-2H-indazol-3-yl)met<br>O-methyloxime, | hanone    |      |
|    |     |     | (E,Z)6,6-diphenyl-6,6-dihydro-1H-indazole-3-carbaldehyde (methyloxime,        | )-        |      |
| 25 |     |     | (E, Z)cyclobutyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)meallyloxime,       | ∍thanone  | O-   |
|    |     |     | (E)cyclobutyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methallyloxime,        | anone     | O-   |
| 30 |     |     | (Z)cyclobutyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)metha                  | anone     | 0-   |
|    |     | •   | (E,Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)m                   | ethanone  | )    |

O-allyloxime,

|    | (Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone<br>O-allyloxime,                 |
|----|--|
|    | (E)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone O-allyloxime,                    |
| 5  | (E,Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone<br>O-(2-methoxyethyl)oxime,    |
|    | (Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone O-(2-methoxyethyl)oxime,         |
| 10 | (E)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone O-(2-methoxyethyl)oxime,         |
|    | (E,Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone O-benzyloxime,                 |
|    | (Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone O-benzyloxime,                   |
| 15 | (E)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone<br>O-benzyloxime,                |
|    | (E,Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone O-(4-nitrobenzyl)oxime,        |
|    | (Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone                                  |
| 20 | O-(4-nitrobenzyl)oxime,  |
|    | (E)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone<br>O-(4-nitrobenzyl)oxime,       |
|    | (E,Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone O-(2-dimethylaminoethyl)oxime, |
| 25 | (Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone O-(2-dimethylaminoethyl)oxime,   |
|    | (E)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone O-(2-dimethylaminoethyl)oxime,   |
|    | (E,Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone                                |
| 30 | O-(2-fluoroethyl)oxime,  |
|    | (Z)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone<br>O-(2-fluoroethyl)oxime,       |
|    |  |

| ,  |     |     | (E)cyclopropyl(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)methanone           |
|----|-----|-----|---|
|    |     |     | O-(2-fluoroethyl)oxime,   |
|    |     |     | (E,Z)-6-(R,S)-cyclopropyl[6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-       |
|    |     |     | indazol-3-yl]methanone oxime,   |
| 5  |     |     | (E)-6-(R,S)-cyclopropyl[6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-         |
|    |     |     | indazol-3-yl]methanone oxime,   |
|    |     |     | (Z)-6-(R,S)-cyclopropyl[6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-         |
|    |     |     | indazol-3-yl]methanone oxime,   |
|    |     |     | (-)-6-(Z)-cyclopropyl[6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-           |
| 10 |     |     | indazol-3-yl]methanone oxime,   |
|    |     |     | (-)-6-(E)-cyclopropyl[6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-           |
|    |     |     | indazol-3-yl]methanone oxime,   |
|    |     |     | (+)-6-(Z)-cyclopropyl[6-(4-fluorophenyl)-6-phenyl-6,7-dihydro-1H-           |
|    |     |     | indazol-3-yl]methanone oxime,   |
| 15 |     |     | (E,Z)cyclopropyl[6,6-bis(4-fluorophenyl)-6,7-dihydro-1H-indazol-3-          |
|    | •   |     | yl]methanone oxime,   |
|    |     |     | (Z)cyclopropyl[6,6-bis(4-fluorophenyl)-6,7-dihydro-1H-indazol-3-            |
|    |     |     | yl]methanone oxime, and   |
|    |     |     | (E)cyclopropyl[6,6-bis(4-fluorophenyl)-6,7-dihydro-1H-indazol-3-            |
| 20 |     |     | yl]methanone oxime.   |
|    |     | 13. | The compound according to claim 4 wherein $R_2$ is NH-C(O)Ra <sub>4</sub> . |
| 25 | of: | 14. | The compound according to claim 13 selected from the group consisting       |
| 23 | Oi. |     | N-(6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl)cyclopropylamide, and           |
|    |     |     | N-[6,6-diphenyl-6,7-dihydro-1H-indazol-3-yl]benzamide                       |
|    |     | 15. | The compound according to claim 4 wherein R <sub>2</sub> is Ar.             |
| 30 |     | 16. | The compound according to claim 15 selected from the group consisting       |
|    | of: |     |   |
|    |     |     | 3-(3-methyl[1,2,4]oxadiazol-5-yl)-6,6-diphenyl-6,7-dihydro-1H-indazole,     |
|    |     |     |   |

- 3,6,6-triphenyl-6,7-dihydro-1H-indazole,
- 6,6-diphenyl-3-pyrid-3-yl-6,7-dihydro-1H-indazole, and
- 6,6-diphenyl-3-thiophen-3-yl-6,7-dihydro-1H-indazole.
- 17. The compound according to claim 4 wherein  $R_2$  is CN.
- 18. The compound according to claim 14 wherein the compound is 6,6-diphenyl-6,7-dihydro-1H-indazole-3-carbonitrile.
- 19. The compound according to claim 1 wherein Z is SO<sub>2</sub>R<sub>3</sub> or COR<sub>3</sub>.
- 20. The compound according to claim 19 selected from the group consisting of:
  - 6,6-diphenyl-1-(4-toluenesulphonyl)-6,7-dihydro-1H-indazol-3-ylamine

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- 1-(3-Amino-6,6-diphenyl-6,7-dihydroindazol-1-yl)propenone.
- 21. The compound according to claim 1 wherein Z is 4-aminophenyl.
- 22. The compound according to claim 21 wherein the compound is ethyl 1-(4-aminophenyl)-6,6-diphenyl-1H-indazole-3-carboxylate.
  - 23. The compound according to claim 1 wherein X is CH, Y is N and  $R_2$  is C(O)-ORa<sub>1</sub>.
  - 24. The compound according to claim 23 wherein the compound is ethyl 5,5-diphenyl-4,5-dihydro-2H-isoindole-1-carboxylate.
- 25. The compound according to claim 1 wherein X is N, Y is CH and  $R_2$  is C(O)-ORa<sub>1</sub>.
  - 26. The compound according to claim 25 wherein the compound is ethyl 6,6-diphenyl-6,7-dihydro-1H-indole-3-carboxylate.

27. A method for the treatment of tumors comprising administering to a patient in need of said treatment a therapeutically effective amount of a compound of formula (1) or formula (2)

wherein:

X and Y independently are N or CH wherein at least one of X and Y is N;

## Ar is:

phenyl optionally substituted with one or more substituents selected from the group consisting of: halogen, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>1</sub>-C<sub>4</sub>)alkoxy, thio(C<sub>1</sub>-C<sub>4</sub>)alkyl, NO<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>)alkyl and N((C<sub>1</sub>-C<sub>4</sub>)alkyl)<sub>2</sub> wherein said alkyl may optionally form a 4 to 6 membered ring together with the heteroatom to which it is attached and an ortho carbon of the phenyl wherein said 4 to 6 membered ring may contain a second hetero atom selected from the group consisting of O, S and N, or

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5 or 6 membered aromatic heterocycle containing one or two hetero atoms selected from the group consisting of O, N and S, and optionally substituted with one or more halogen, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>1</sub>-C<sub>4</sub>)alkoxy, thio(C<sub>1</sub>-C<sub>4</sub>)alkyl, NH(C<sub>1</sub>-C<sub>4</sub>)alkyl, N((C<sub>1</sub>-C<sub>4</sub>)alkyl)<sub>2</sub> wherein said alkyl may optionally form a 4 to 6 membered ring together with the heteroatom to which it is attached and an ortho carbon of said heterocycle wherein said 4 to 6 membered ring may optionally contain a second hetero atom selected from the group consisting of O, S and N,

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Z is H, 4-aminophenyl, SO<sub>2</sub>R<sub>3</sub> or COR<sub>3</sub> wherein R<sub>3</sub> is (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl, Ar as defined above, (C<sub>2</sub>-C<sub>6</sub>)alkenyl or (C<sub>2</sub>-C<sub>6</sub>)alkynyl;
R<sub>1</sub> is H, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl or Ar as defined above;

R' is H or  $(C_1-C_4)$ alkyl; and

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when Z is H, R<sub>2</sub> is a selected from the group consisting of: cyano,

- C(O)-ORa<sub>1</sub> wherein Ra<sub>1</sub> is methyl, ethyl or isopropyl,
- C(O)-NHRa<sub>2</sub> wherein Ra<sub>2</sub> is cyclopropyl,
- C(O)-N(Ra<sub>2</sub>'), wherein N(Ra<sub>2</sub>') is aziridinyl or azetidinyl, optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,
- C(O)-N(Ra<sub>3</sub>)-ORa<sub>3</sub> wherein each Ra<sub>3</sub> may be identical or different and each Ra<sub>3</sub> is independently selected from the group consisting of methyl, ethyl or cyclopropyl,
- C(O)Ra<sub>4</sub> wherein Ra<sub>4</sub> is Ar as defined above or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,

## C(Ra<sub>4</sub>)=N-Rb wherein:

Ra<sub>4</sub> is H, Ar as defined above, or  $(C_3-C_5)$  cycloalkyl optionally substituted with  $(C_1-C_4)$  alkyl or Ar as defined above, and Rb is  $(C_1-C_2)$  alkyl,  $(C_3-C_5)$  cycloalkyl, hydroxyl,  $(C_1-C_4)$  alkoxy,  $(C_2-C_4)$  alkenyloxy, or  $(C_1-C_4)$  alkylenoxy wherein said  $(C_1-C_4)$  alkylenoxy optionally may be substituted with halogen or a group selected from the group consisting of carboxyl,  $(CH_2)$  are wherein n is 0 or 1 and Ar is as defined above,  $(C_1-C_4)$  alkoxy,  $(C_1-C_4)$  alkyl, and  $(C_1-C_4)$  alkyl,  $(C_1-C_4)$  alkyl, and  $(C_1-C_4)$  alkyl) wherein said alkyls together with the heteroatom to which they are attached may optionally form a 3 to 6 membered ring which may optionally contain a second hetero atom selected from the group consisting of O, S and N,

NH-C(O)Ra<sub>4</sub> wherein Ra<sub>4</sub> is H, Ar as defined above, or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,

NHRa<sub>4</sub> wherein Ra<sub>4</sub> is H, Ar as defined above, or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,

phenyl, and

5 to 6 membered aromatic heterocycle containing 1 to 3 hetero atoms selected from the group consisting of O, N and S; and

when Z is  $SO_2R_3$  or  $COR_3$ ,  $R_2$  is carboxyl,  $NH_2$ ,  $NH(C_1-C_4)alkyl$ ,  $N((C_1-C_4)alkyl)_2$  or  $(C_3-C_5)$ cycloalkylamino; or

a stereoisomeric form of the compound of formula (1) or formula (2), or mixtures of the stereoisomeric forms thereof in any ratio; or a pharmacetically acceptable salt of the compound of formula (1) or formula (2).

- 28. The method of claim 27 wherein the therapeutically effective amount comprises an amount sufficient to inhibit microtubule polymerization.
- 29. The method of claim 27 wherein the therapeutically effective amount comprises a therapeutically effective endothelial cell detaching amount.
- 30. The method of claim 27 wherein the therapeutically effective amount comprises an amount sufficient to inhibit vascularization of said tumors.
- 31. A method for the treatment of cancerous cells comprising administering to a patient in need of said treatment a therapeutically effective amount of a compound of formula (1) or formula (2)

$$R'$$
 $R_1$ 
 $R_1$ 
 $R_1$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 

wherein:

X and Y independently are N or CH wherein at least one of X and Y is N;

20 Ar is:

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phenyl optionally substituted with one or more substituents selected from the group consisting of: halogen, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>1</sub>-C<sub>4</sub>)alkoxy, thio(C<sub>1</sub>-C<sub>4</sub>)alkyl, NO<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>)alkyl and N((C<sub>1</sub>-C<sub>4</sub>)alkyl)<sub>2</sub> wherein said alkyl may optionally form a 4 to 6 membered ring together with the heteroatom to which it is attached and an ortho carbon of the phenyl wherein said 4 to 6 membered ring may contain a second hetero atom selected from the group consisting of O, S and N, or

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5 or 6 membered aromatic heterocycle containing one or two hetero atoms selected from the group consisting of O, N and S, and optionally substituted with one or more halogen, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>1</sub>-C<sub>4</sub>)alkoxy, thio(C<sub>1</sub>-C<sub>4</sub>)alkyl, NH(C<sub>1</sub>-C<sub>4</sub>)alkyl, N((C<sub>1</sub>-C<sub>4</sub>)alkyl)<sub>2</sub> wherein said alkyl may optionally form a 4 to 6 membered ring together with the heteroatom to which it is attached and an ortho carbon of said heterocycle wherein said 4 to 6 membered ring may optionally contain a second hetero atom selected from the group consisting of O, S and N,

Z is H, 4-aminophenyl,  $SO_2R_3$  or  $COR_3$  wherein  $R_3$  is  $(C_1-C_4)$ alkyl,  $(C_3-C_6)$ cycloalkyl, Ar as defined above,  $(C_2-C_6)$ alkenyl or  $(C_2-C_6)$ alkynyl;

 $R_1$  is H,  $(C_1-C_4)$ alkyl,  $(C_3-C_6)$ cycloalkyl or Ar as defined above;

R' is H or  $(C_1-C_4)$ alkyl; and

when Z is H, R<sub>2</sub> is a selected from the group consisting of: cyano,

C(O)-ORa<sub>1</sub> wherein Ra<sub>1</sub> is methyl, ethyl or isopropyl,

C(O)-NHRa<sub>2</sub> wherein Ra<sub>2</sub> is cyclopropyl,

C(O)-N(Ra<sub>2</sub>'), wherein N(Ra<sub>2</sub>') is aziridinyl or azetidinyl, optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,

C(O)-N(Ra<sub>3</sub>)-ORa<sub>3</sub> wherein each Ra<sub>3</sub> may be identical or different and each Ra<sub>3</sub> is independently selected from the group consisting of methyl, ethyl or cyclopropyl,

C(O)Ra<sub>4</sub> wherein Ra<sub>4</sub> is Ar as defined above or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,

C(Ra<sub>4</sub>)=N-Rb wherein:

Ra<sub>4</sub> is H, Ar as defined above, or  $(C_3-C_5)$  cycloalkyl optionally substituted with  $(C_1-C_4)$  alkyl or Ar as defined above, and

Rb is  $(C_1-C_2)$ alkyl,  $(C_3-C_5)$ cycloalkyl, hydroxyl,  $(C_1-C_4)$ alkoxy,  $(C_2-C_4)$ alkenyloxy, or  $(C_1-C_4)$ alkylenoxy wherein said  $(C_1-C_4)$ alkylenoxy optionally may be substituted with halogen or a group selected from the group consisting of carboxyl,  $(CH_2)_n$ Ar wherein n is 0 or 1 and Ar is as defined above,  $(C_1-C_4)$ alkoxy,  $NH_2$ ,  $NH(C_1-C_4)$ alkyl, and  $N((C_1-C_4)$ alkyl)<sub>2</sub> wherein said alkyls together with the heteroatom to which they are attached may optionally form

a 3 to 6 membered ring which may optionally contain a second hetero atom selected from the group consisting of O, S and N,

NH-C(O)Ra<sub>4</sub> wherein Ra<sub>4</sub> is H, Ar as defined above, or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,

NHRa<sub>4</sub> wherein Ra<sub>4</sub> is H, Ar as defined above, or (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl optionally substituted with (C<sub>1</sub>-C<sub>4</sub>)alkyl or Ar as defined above,

phenyl, and

5 to 6 membered aromatic heterocycle containing 1 to 3 hetero atoms selected from the group consisting of O, N and S; and

when Z is  $SO_2R_3$  or  $COR_3$ ,  $R_2$  is carboxy!,  $NH_2$ ,  $NH(C_1-C_4)$ alkyl,  $N((C_1-C_4)$ alkyl)<sub>2</sub> or  $(C_3-C_5)$ cycloalkylamino; or

a stereoisomeric form of the compound of formula (1) or formula (2), or mixtures of the stereoisomeric forms thereof in any ratio; or

a pharmacetically acceptable salt of the compound of formula (1) or formula (2).

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- 32. The method of claim 31 wherein the therapeutically effective amount comprises an amount sufficient to inhibit microtubule polymerization.
- 33. The method of claim 31 wherein the therapeutically effective amount comprises a therapeutically effective endothelial cell detaching amount.
  - 34. The method of claim 31 wherein the therapeutically effective amount comprises an amount sufficient to inhibit vascularization of said cancerous cells.
- 25 35. A pharmaceutical composition comprising one or more compounds of formula (1) or formula (2) according to claim 1 and one or more pharmaceutically acceptable carriers, diluents, adjuvants or excipients.